

Abstract Submitted
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The Double Chooz Experiment BRANDON WHITE, University of Tennessee, DOUBLE CHOOZ COLLABORATION — Double Chooz is a reactor antineutrino experiment probing the non-vanishing value of the neutrino mixing angle Θ_{13} . The experiment is searching for antineutrino disappearance from nuclear reactors located in northeastern France. The Double Chooz concept is to deploy two identical detectors. One detector near to the reactor cores to measure the flux of electron antineutrinos and one detector at a distance from the reactors to measure the disappearance of electron antineutrinos due to oscillations. The far detector began data taking in the spring of 2011 and the near detector will be installed in 2012. Double Chooz has the opportunity of sensitivity for probing $\sin^2(2\Theta_{13})$ to 0.03 (90%CL) with both detectors running.

Brandon White
University of Tennessee

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